

INFLATABLE AIRBAG CUSHION FORMED WITH A BLOWN ELASTOMER CORE BY A TWO SHOT MOLDING PROCESS AND METHODS OF USING AND MANUFACTURING SUCH AIRBAG CUSHIONS

Abstract

An automotive interior component including a substrate adapted to be mounted inside a passenger cabin of a vehicle and a covering on at least a portion of the substrate adapted to define an airbag cushion deployed as a passenger restraint in the event of a collision. The covering includes a core of a cellular material that loses cohesion when an inflation fluid is injected to define a space between a substrate and an elastic outer layer. As the space fills with inflation fluid, the outer layer elastically expands for defining the airbag cushion. The automotive interior component may be made in a multi-shot molding operation with the substrate being formed in one shot and the covering being formed in another shot.